

```

1  CAGCTCTCAT TTCTCCAAAA ATGTGTTTGA GCCACTTGGA AAATATGCCT
   GTCGAGAGTA AAGAGGTTTTT TACACAAACT CGGTGAACCT TTTATACGGA
1  MetCysLeuS erHisLeuGl uAsnMetPro

51  TTAAGCCATT CAAGAAGTCA AGGAGCTCAG AGATCATCCT GGAAGCTGTG
   AATTCGGTAA GTTCTTGAGT TCCTCGAGTC TCTAGTAGGA CCTTCGACAC
   LeuSerHisS erArgThrGl nGlyAlaGln ArgSerSerT rpLysLeuTrp

101 GCTCTTTTGC TCAATAGTTA TGTTGCTATT TCTTTGCTCC TTCAGTTGGC
   CGAGAAAAACG AGTTATCAAT ACAACGATAA AGAAACGAGG AAGTCAACCG
28  LeuPheCys SerIleValM etLeuLeuPh eLeuCysSer PheSerTrpL

151 TAATCTTTAT TTTTCTCCAA TTAGAGACTG CTAAGGAGCC CTGTATGGCT
   ATTAGAAAATA AAAAGAGGTT AATCTCTGAC GATTCCCTCGG GACATACCGA
   euIlePheIl ePheLeuGln LeuGluThrA laLysGluPr oCysMetAla

201 AAGTTTGGAC CATTACCCTC AAAATGGCAA ATGGCATCTT CTGAACCTCC
   TTCAAACCTG GTAATGGGAG TTTTACCGTT TACCGTAGAA GACTTGGAGG
61  LysPheGlyP roLeuProSe rLysTrpGln MetAlaSerS erGluProPr

251 TTGCGTGAAT AAGGTGTCTG ACTGGAAGCT GGAGATACTT CAGAATGGCT
   AACGCACTTA TTCCACAGAC TGACCTTCGA CCTCTATGAA GTCTTACCGA
   oCysValAsn LysValSerA spTrpLysLe uGluIleLeu GlnAsnGlyLeu

301 TATATTTAAT TTATGGCCAA GTGGCTCCCA ATGCAAACTA CAATGATGTA
   ATATAAATTA AATACCGGTT CACCGAGGGT TACGTTTGAT GTTACTACAT
95  TyrLeuIl eTyrGlyGln ValAlaProA snAlaAsnTy rAsnAspVal

351 GCTCCTTTTG AGGTGCGGCT GTATAAAAAC AAAGACATGA TACAAACTCT
   CGAGGAAAAC TCCACGCCGA CATATTTTGTG TTTCTGTACT ATGTTTGAGA
   AlaProPheG luValArgLe uTyrLysAsn LysAspMetI leGlnThrLeu

401 AACAAACAAA TCTAAAAATCC AAAATGTAGG AGGGACTTAT GAATTGCATG
   TTGTTTGTTT AGATTTTAGG TTTTACATCC TCCCTGAATA CTTAACGTAC
128 ThrAsnLys SerLysIleG lnAsnValGl yGlyThrTyr GluLeuHisV

451 TTGGGGACAC CATAGACTTG ATATTCAACT CTGAGCATCA GGTTCATAAA
   AACCCCTGTG GTATCTGAAC TATAAGTTGA GACTCGTAGT CCAAGATTTT
   aIGlyAspTh rIleAspLeu ilePheAsnS erGluHisGl nValLeuLys

501 AATAATACAT ACTGGGGTAT CATTTTACTA GCAAAATCCCC AATTCATCTC
   TTATTATGTA TGACCCCATATA GTAAATGAT CGTTTAGGGG TTAAGTAGAG
161 AsnAsnThrT yrTrpGlyIl eIleLeuLeu AlaAsnProG lnPheIleSe

551 CTAGAGACTT GATTTGATCT CCTCATTTCCC TTCAGCACAT GTAGAGGTGC
   GATCTCTGAA CTAAACTAGA GGAGTAAGGG AAGTCGTGTA CATCTCCACG
rAM*

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FIG. I-1

601 CAGTGGGTGG ATTGGAGGGA GAAGATATTC AATTTCTAGA GTTTGTCTGT  
 GTCACCCACC TAACCTCCCT CTTCTATAAG TTAAAGATCT CAAACAGACA  
 651 CTACAAAAAT CAACACAAAC AGAACTCCTC TGCACGTGAA TTTTCATCTA  
 GATGTTTTTA GTTGTGTTTG TCTTGAGGAG ACGTGCAC TT AAAAGTAGAT  
 701 TCATGCCTAT CTGAAAGAGA CTCAGGGGAA GAGCCAAAGA CTTTGTGGTG  
 AGTACGGATA GACTTCTCT T GAGTCCCCTT CTCGGTTTCT GAAAACCAAC  
 751 GATCTGCAGA AATACTTCAT TAATCCATGA TAAAACAAAT ATGGATGACA  
 CTAGACGTCT TTAGGAAGTA ATTAGGTACT ATTTTGTTTA TACCTACTGT  
 801 GAGGACATGT GCTTTTCAAA GAATCTTTAT CTAATTTCTTG AATTCATGAG  
 CTCTGTGACA CGAAAAGTTT CTTAGAAATA GATTAAAGAC TTAAGTACTC  
 851 TGGAAAAATG GAGTTCATAT CCCATGGAAG ATTTACCTGG TATGCAAAAA  
 ACCTTTTTTAC CTCAAGATAA GGGTACCTTC TAAATGGACC ATACGTTTTT  
 901 GGATCTGGGG CAGTAGCCTG GCTTTGTTCT CATATTTCTTG GGCTGCTGTA  
 CCTAGACCCC GTCATCGGAC CGAAACAAGA GTATAAGAAC CCGACGACAT  
 951 ATTCATCTCT CTCACTACTCC CATCTTCTGA GACCTCCCA ATAAAAAGTA  
 TAAGTAAGAA GAGTATGAGG GTAGAAGACT CTGGGAGGGT TATTTTTTCAT  
 1001 GACTGATAGG ATGGCCACAG ATATGCCTAC CATAACCTAC TTTAGATATG  
 CTGACTATCC TACCGGTGTC TATACGGATG GTATGGGATG AAATCTATAC  
 1051 GTGGTGTTAG AAGATAAAGA ACAATCTGAG AACTATTGGA ATAGAGGTAC  
 CACCACAATC TTTATTTCT TGTTAGACTC TTGATAACCT TATCTCCATG  
 1101 AAGTGGCATA AAATGGAATG TACGCTATCT GGAAATTTCT CTTGGTTTTA  
 TTCACCGTAT TTTACCTTAC ATGCATAGA CCTTTAAAGA GAACCAAAAT  
 1151 TCTTCCTCAG GATGCAGGGT GCTTTAAAAA GCCTTATCAA AGGAGTCATT  
 AGAAGGAGTC CTACGTCCCA CGAAATTTT CGGAATAGTT TCCTCAGTAA  
 1201 CCGAACCCCTC ACGTAGAGCT TTGTGAGACC TTAGTGTGG TGTGTGTGTC  
 GGCTTGGGAG TGCATCTCGA AACACTCTGG AATGACAACC ACACACACAG  
 1251 TAAACATTGC TAATTGTAAA GAAAGAGTAA CCATTAGTAA TCATTAGGTT  
 ATTTGTAACG ATTAACATTT CTTTCTCATT GGTAAATCATT AGTAATCCAA

FIG. 1-2

1301 TAACCCAGAG ATGGTATTAT CATTACTGGA TTATGTCATG TAATGATTTA  
 ATTGGGGTCT TACCATAATA GTAATGACCT AATACAGTAC ATTACTAAAT  
 1351 GTATTTTCTAG CTAGCTTTCC ACAGTTTGCA AAGTGCTTTC GTAAACAGT  
 CATAAAAAATC GATCGAAAGG TGTCAAACGT TTCACGAAAG CATTTTGTCA  
 1401 TAGCAATTCT ATGAAGTTAA TTGGGCAGGC ATTTGGGGGA AAATTTTAGT  
 ATCGTTAAGA TACTTCAATT AACCCGTCCG TAAACCCCTT TTTAAATCA  
 1451 GATGAGAATG TGATAGCATA GCATAGCCAA CTTTCCTCAA CTCATAGGAC  
 CTACTCTTAC ACTATCGTAT CGTATCGGTT GAAAGGAGTT GAGTATCCTG  
 1501 AAGTGACTAC AAGAGGCAAT GGGTAGTCCC CTGCATTGCA CTGTCTCAGC  
 TTCACTGATG TTCTCCGTTA CCCATCAGGG GACGTAACGT GACAGAGTCG  
 1551 TTTAGAATTG TTATTTCTGC TATCGTGTTA TAAGACTCTA AAACCTAGCG  
 AAATCTTAAC AATAAAGACG ATAGCACAAT ATTCTGAGAT TTTGAATCGC  
 1601 AATTCACTTT TCAGGAAGCA TATTCCCCCT TAGCCCAAGG TGAGCAGAGT  
 TTAAGTGAAA AGTCCTTCGT ATAAGGGGAA ATCGGGTTCC ACTCGTCTCA  
 1651 GAAGCTACAA CAGATCTTTC CTTTACCAGC ACACTTTTTT TTTTTTTTCC  
 CTTCGATGTT GTCTAGAAAG GAAATGGTCG TGTGAAAAAA AAAAAAAGG  
 1701 TGCCTGAATC AGGGAGATCC AGGATGCTGT TCAGGCCAAA TCCCAACCAA  
 ACGGACTTAG TCCCTCTAGG TCCTACGACA AGTCCGGTTT AGGGTTGGTT  
 1751 ATTCCCTTTT TCACTTTGCA GGGCCCATCT TAGTCAAATG TGCTAACTTC  
 TAAGGGGAAA AGTGAAACGT CCCGGGTAGA ATCAGTTTAC ACGATTGAAG  
 1801 TAAAAAATA AATAGCACTA ATTCAAAATT TTTGGAATCT TAAATTAGCT  
 ATTTTATTAT TTATCGTGAT TAAGTTTAA AAACCTTAGA ATTTAATCGA  
 1851 ACTTGCNGGT TGCTTGTTGA AAGGNATATA ATGATTACAT TGTAACAAA  
 TGAACGNCCA ACGAACAACT TTCCNTATAT TACTAATGTA ACATTTGTTT  
 1901 TTTAAATAT TTAGGATAT TTGTGAAAAG CTGCATTATG TTAATAATA  
 AAATTTTATA AATACCTATA AACACTTTTC GACGTAATAC AATTATTAT  
 1951 TTACATGTAA AGCT  
 AATGTACATT TCGA

FIG. 1-3



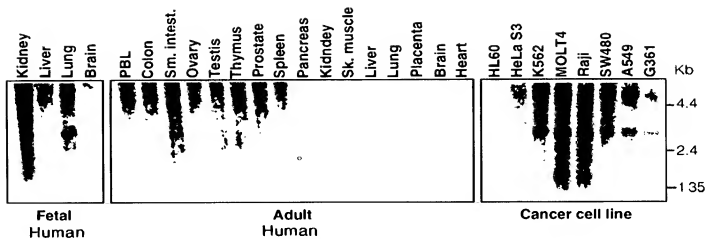


FIG. 3

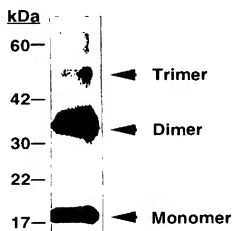


FIG. 4

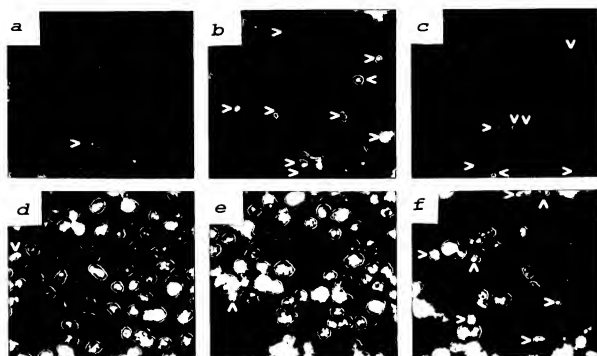


FIG. 5A

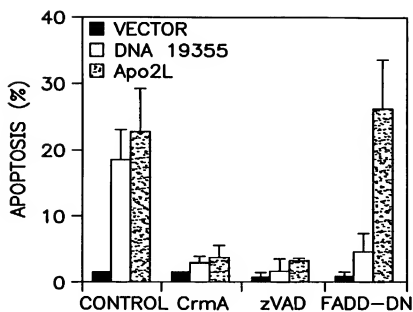


FIG. 5B

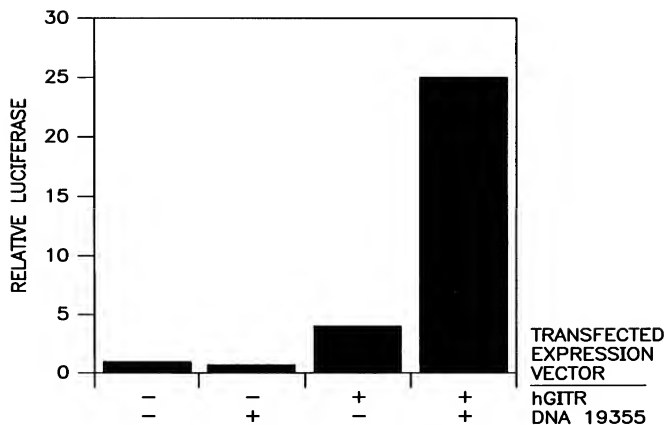


FIG. 10

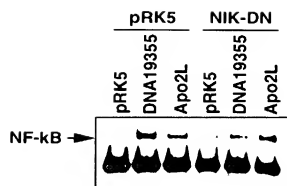


FIG. 6

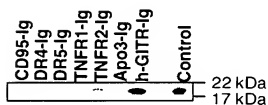


FIG. 8



hgITR 1 M A Q H G A M G A F R A L C G L A L L C A L S L G Q R P - T G G P G G G P G R L L L G T G T D A R C  
 mgITR 1 - - - - - M G A W A M L Y G V S M L C V L D L G Q P S V V E E P G G G P G K V Q N G S G N N T R C

↓

hgITR 50 C R V H T T R C C R D Y P G E E C C S E W D C M C V Q P E F H C G D P C C T T C R H H P C P P G Q G  
 mgITR 45 C S L Y A - - - - - P G K E D C P K E R C I C V T P E Y H C G D P Q C K T C K H Y P C Q P G Q R

C R D 2

hgITR 100 V Q S Q G K F S F G F Q C I D C A S G T F S G G H E G H C K P W T D C T Q F G F L T V F P G N K T H  
 mgITR 88 V E S Q G D I V F G F R C V A C A M G T F S A G R D G H C R L W T N C S Q F G F L T M F P G N K T H

C R D 3

hgITR 150 N A V C V P I G S P P A E P L G W L T V V L J A V A A C V L L T S A Q L G L H I W Q L R S Q C M W P  
 mgITR 138 N A V C I P E P L P T E Q Y G H L T V I F L V M A A C I F F L T T V Q L G L H I W Q L R S Q C M W P

T M

hgITR 200 R E T Q L L L E V P P S T E D A R S C Q F P E E E R G E R S A E E K G R L G D L W V  
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FIG. 7

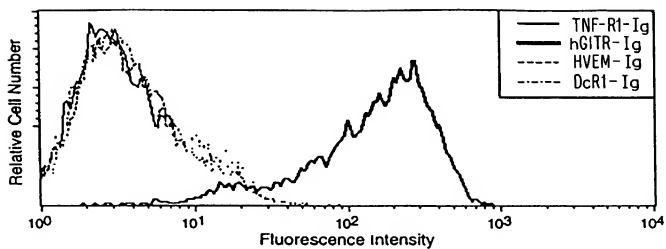


FIG. 9A

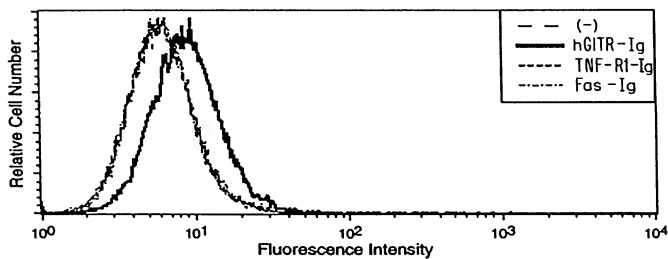


FIG. 9B

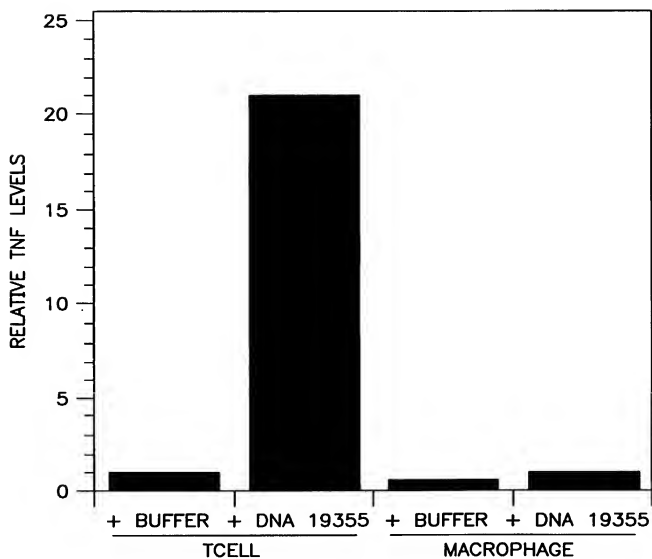


FIG. 11